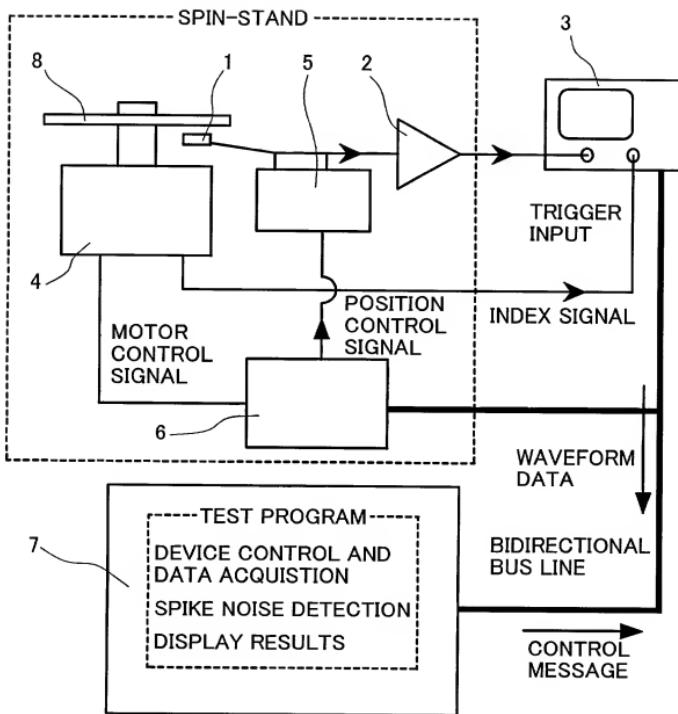


FIG.1



1...HEAD, 2...HEAD AMPLIFIER, 3...DIGITAL STORAGE OSCILLOSCOPE,
4...SPINDLE MOTOR, 5...HEAD STAGE, 6...SPINSTAND CONTROLLER,
7...COMPUTER, 8...DOUBLE LAYERED PEPENDICULAR MEDIA

FIG.2A

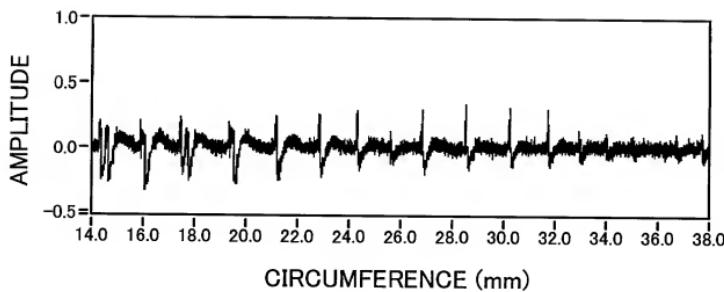


FIG.2B

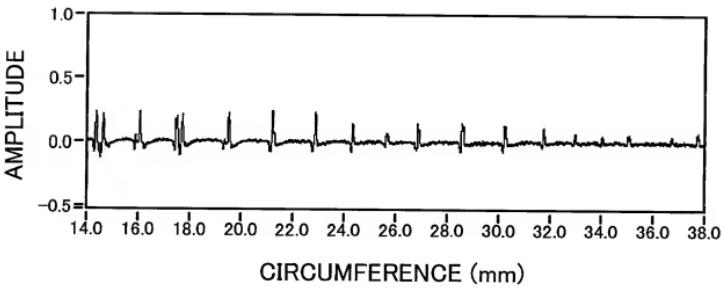


FIG.3A

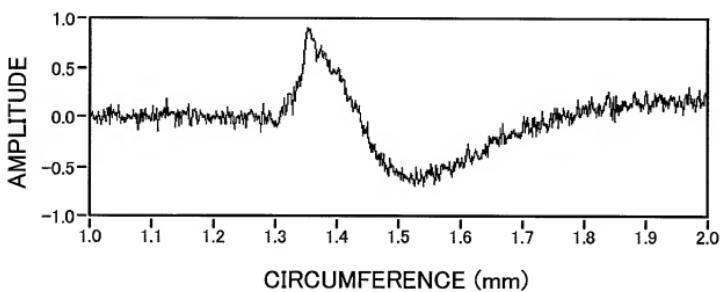
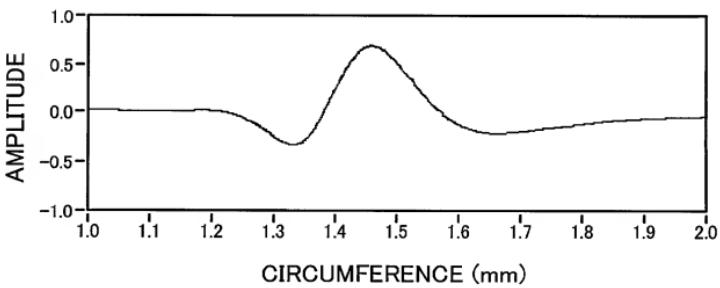
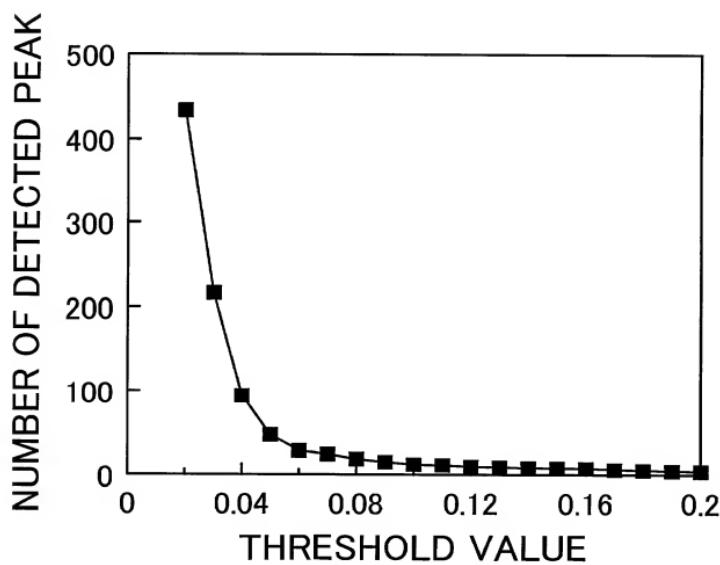


FIG.3B



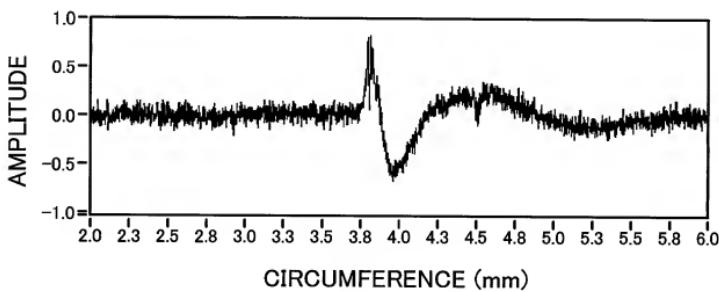
209220-6572800T

FIG.4



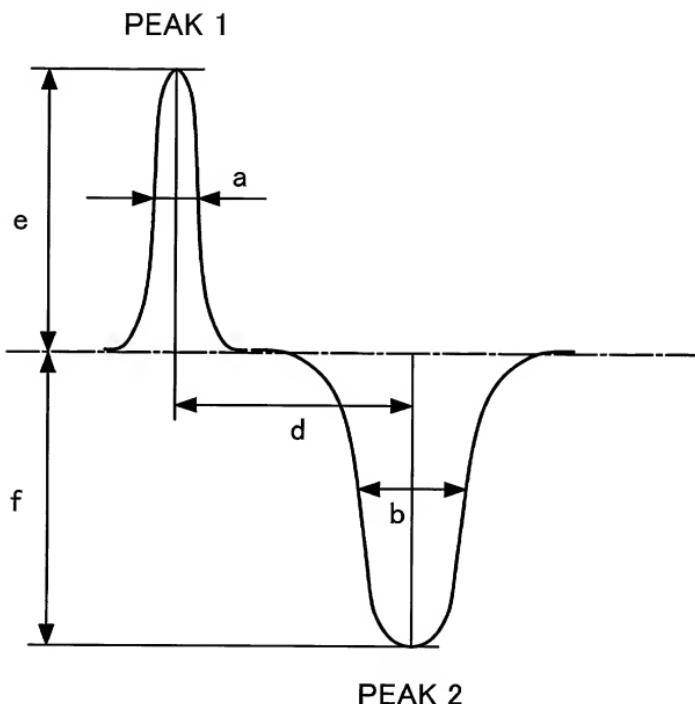
209220 "65T2800T

FIG.5



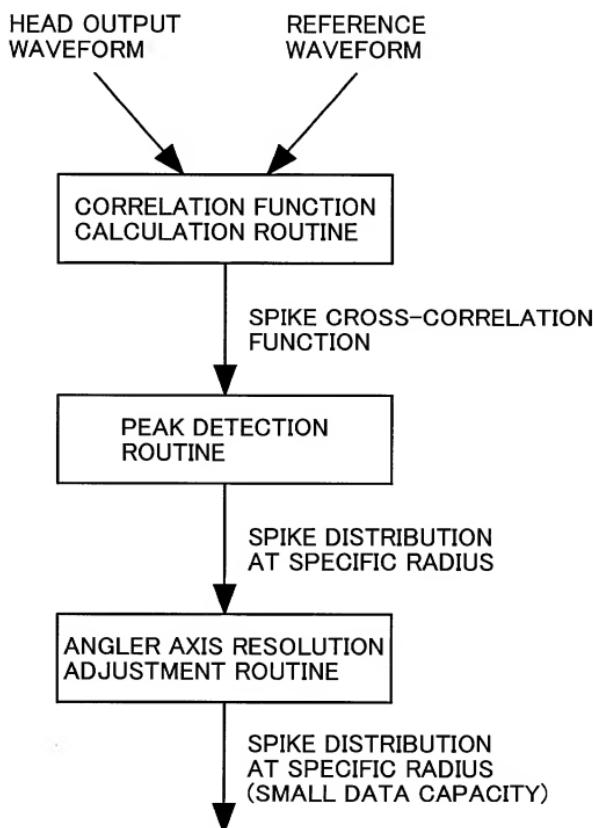
209220-65T2300

FIG.6



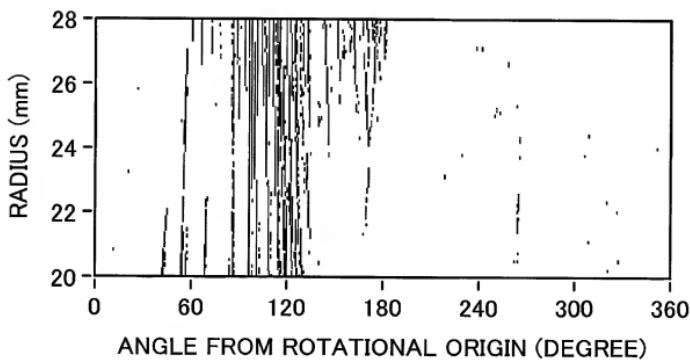
10082159-022602

FIG.7



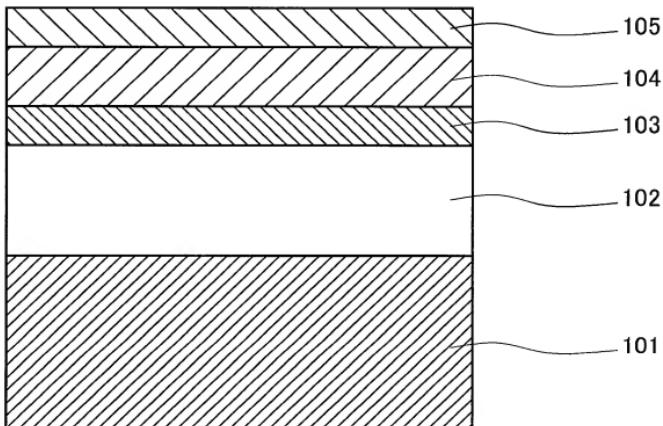
10082159 . 022602

FIG.8



209220 "65T2800T

FIG.9



101...GLASS SUBSTRATE, 102...SOFT MAGNETIC LAYER,
103...NONMAGNETIC INTERMEDIATE LAYER,
104...RECORDING LAYER, 105...PROTECTION LAYER

FIG.10

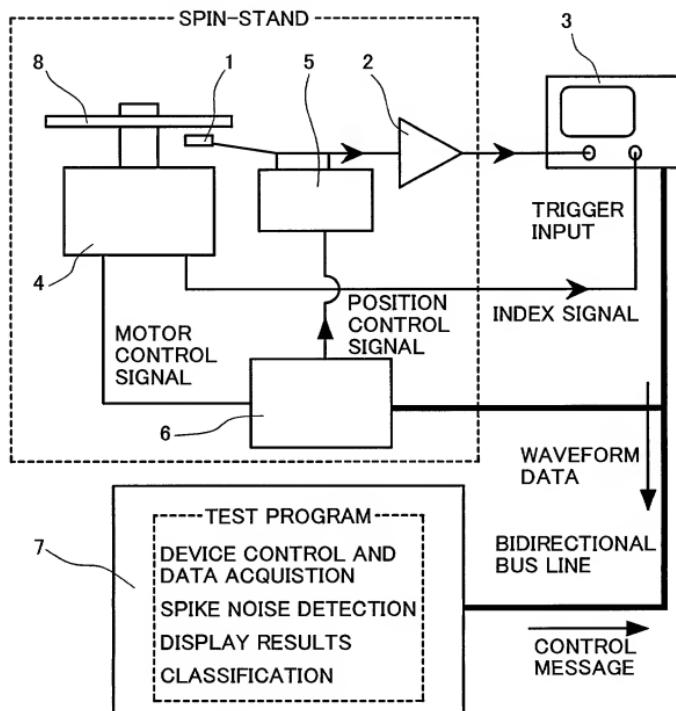
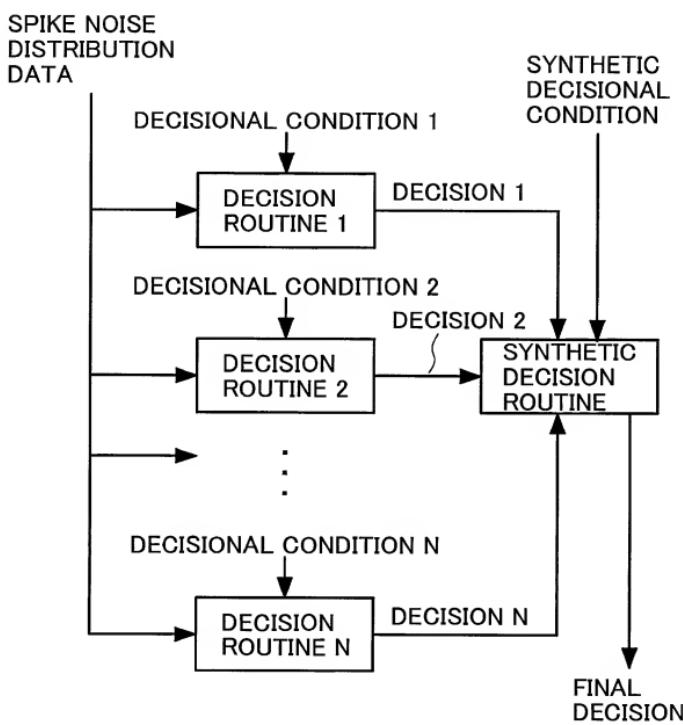
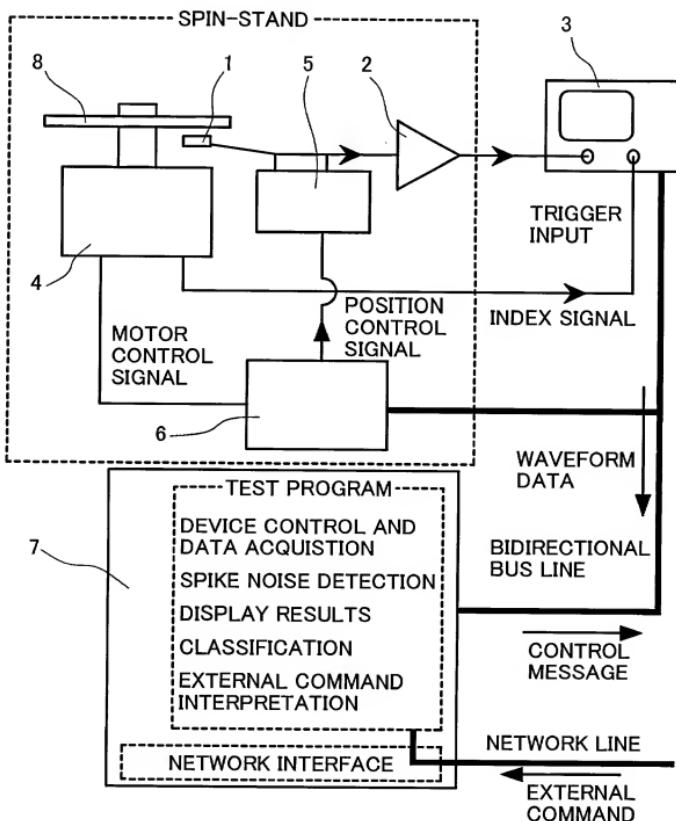


FIG.11



10082159 . 022602

FIG.12



10082159 - 022602

FIG.13A

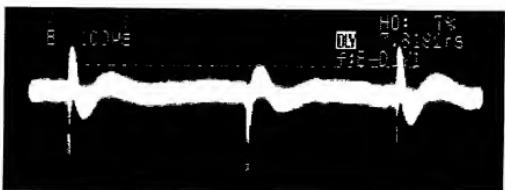
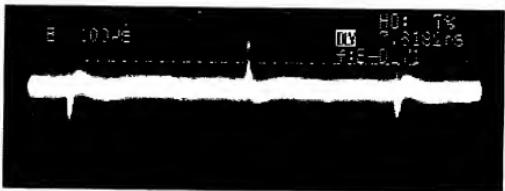


FIG.13B



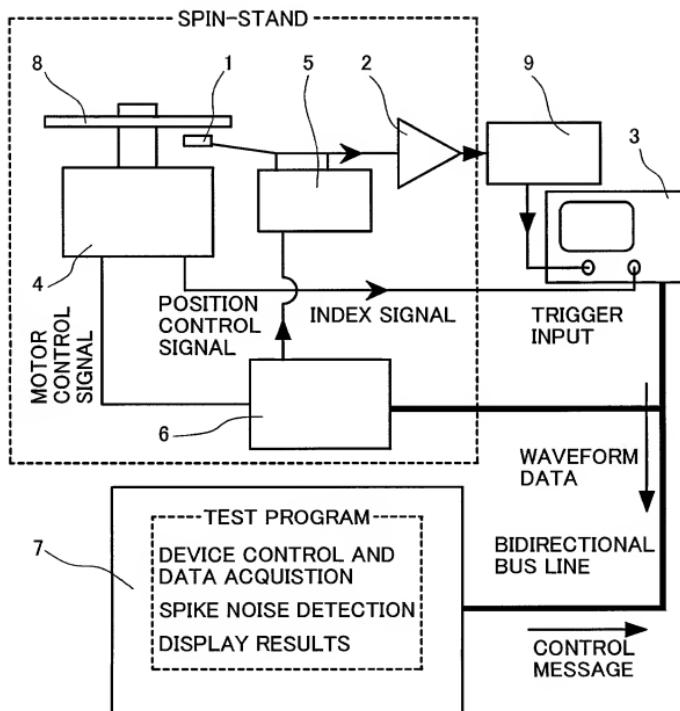
10082159.022602

FIG.14



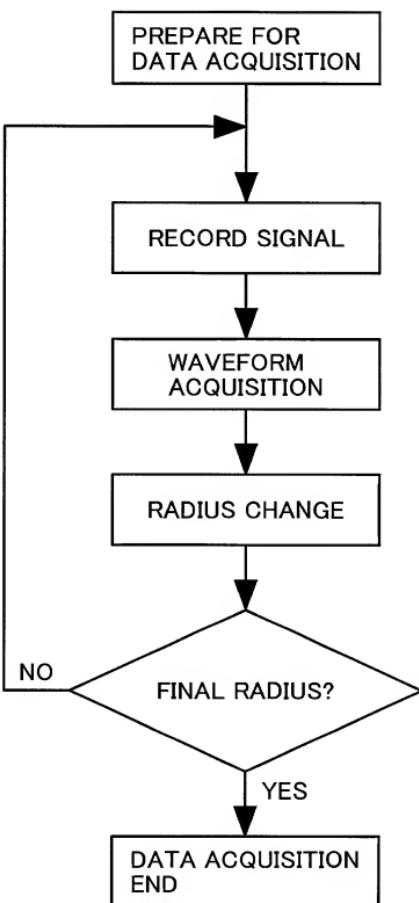
10082159 . 022602

FIG.15



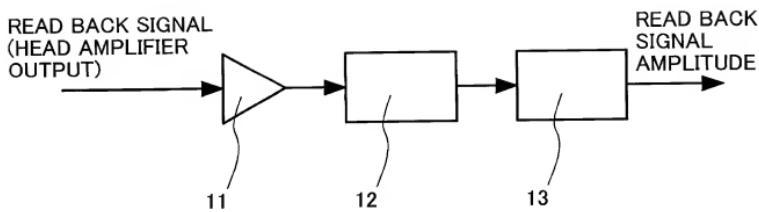
1---HEAD, 2---HEAD AMPLIFIER, 3---DIGITAL STORAGE OSCILLOSCOPE,
4---SPINDLE MOTOR, 5---SPIN-STAND STAGE, 6---SPINSTAND CONTROLLER,
7---COMPUTER, 8---DOUBLE LAYERED PEPENDICULAR MEDIA
9---DESCRIMINATOR

FIG.16



10082159 . 022602

FIG.17



11…AMPLIFIER, 12…HIGH-PASS FILTER, 13…ENVELOPE DETECTOR

FIG.18A

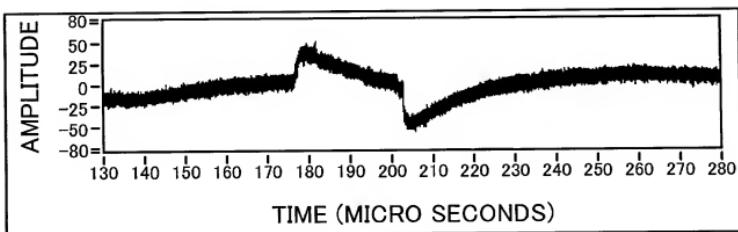


FIG.18B

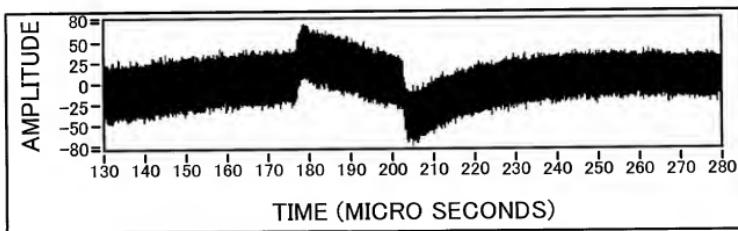
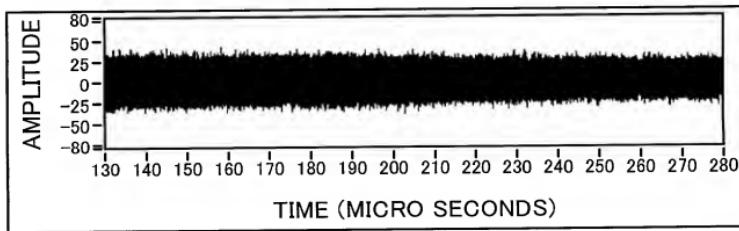


FIG.18C



209220"65T2800T

FIG.19A

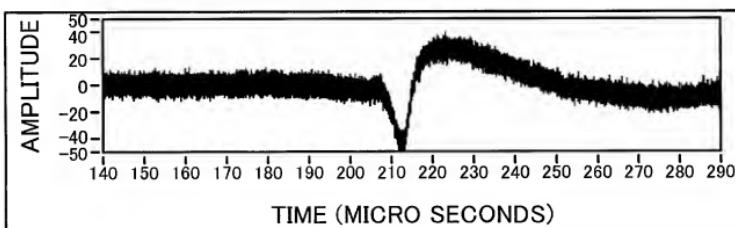


FIG.19B

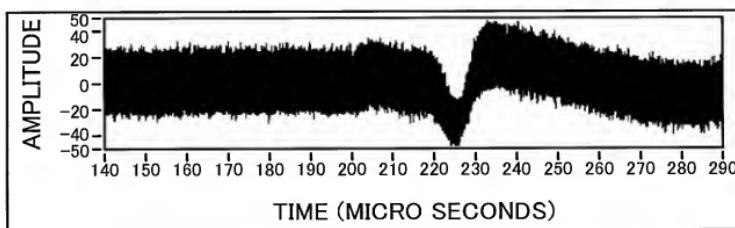
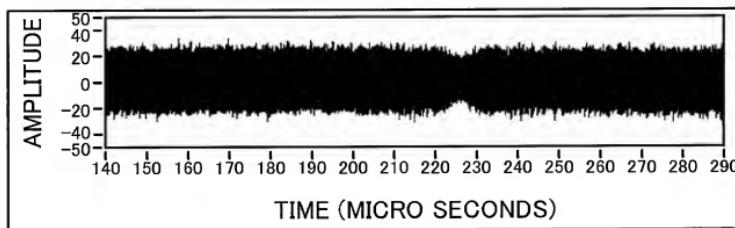
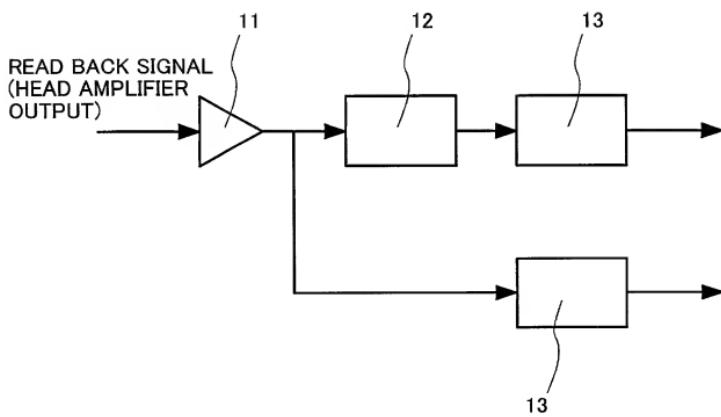


FIG.19C



209220° 65T2800T

FIG.20



10082159, 022602

FIG.21

10082159 * 022602

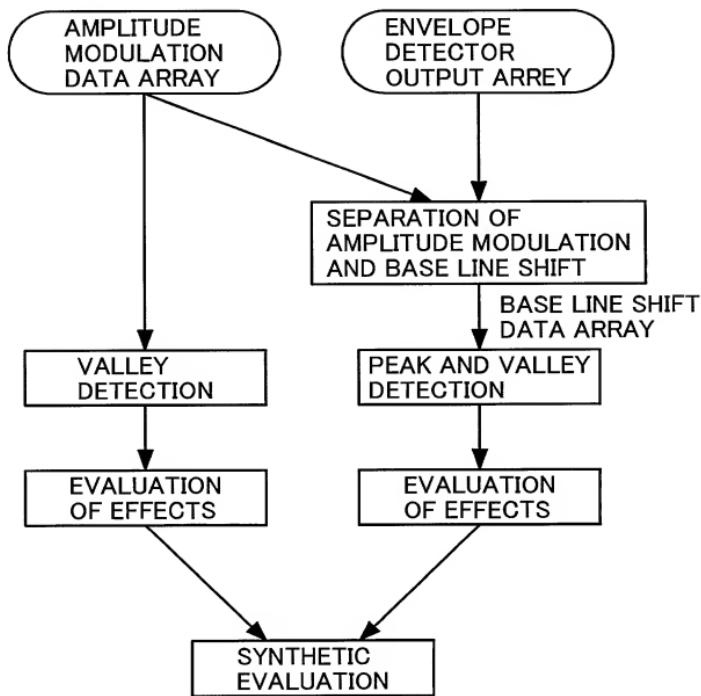
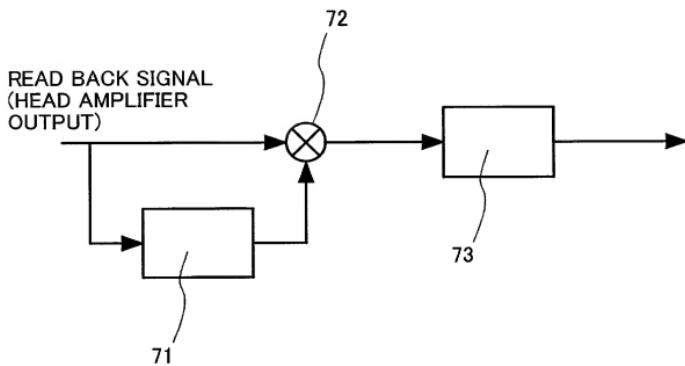
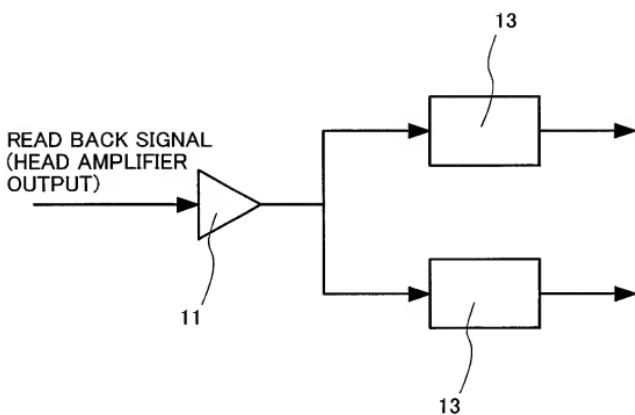


FIG.22



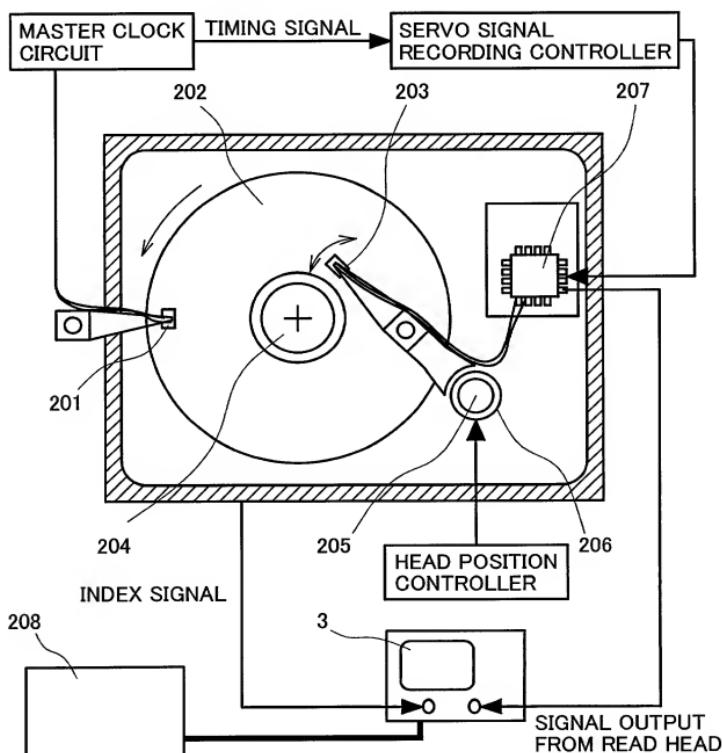
71…CARRIER RETRIEVER CIRCUIT, 72…MIXER,
73…LOW-PASS FILTER

FIG.23



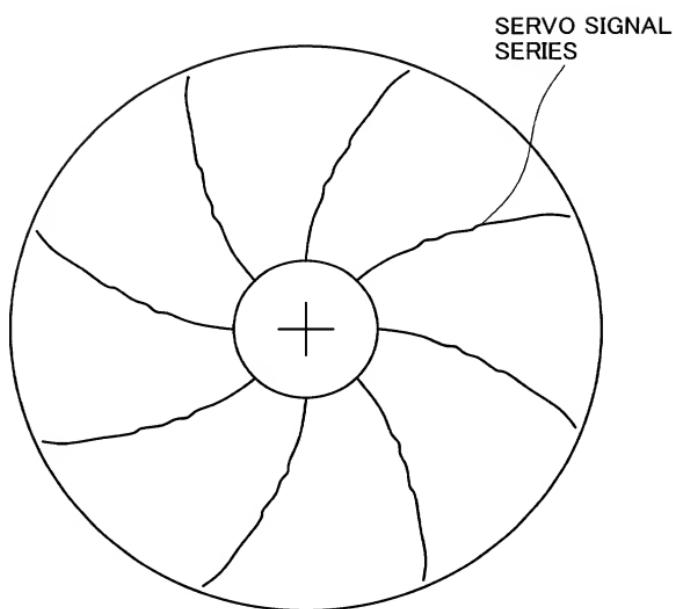
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FIG.24



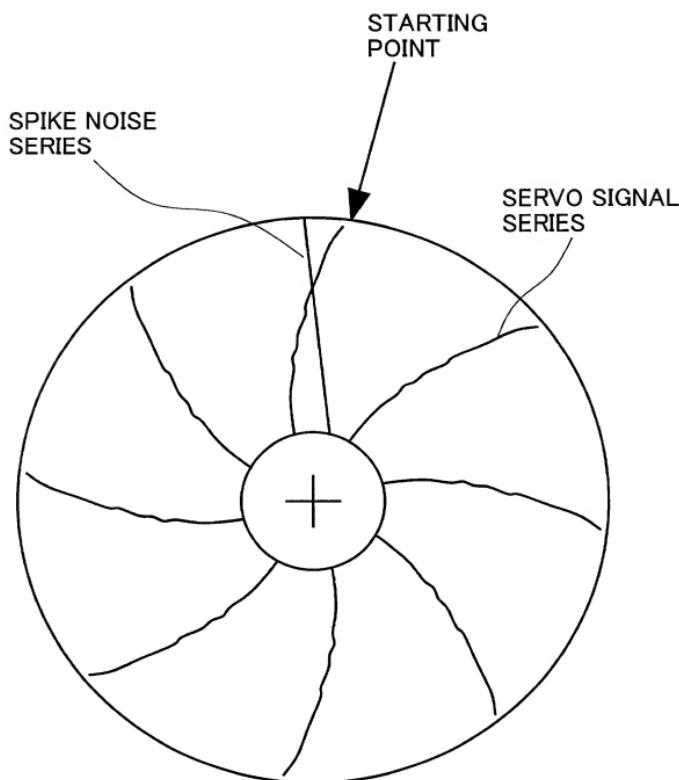
201...CLOCK HEAD, 202...DOUBLE LAYERED PERPENDICULAR MEDIA,
203...MAGNETIC HEAD, 204...SPINDLE, 205...ROTARY ENCODER
206...ROTARY ACTUATOR, 207...READ/WRITE AMPLIFIER,
208...CONTROLLER

FIG.25



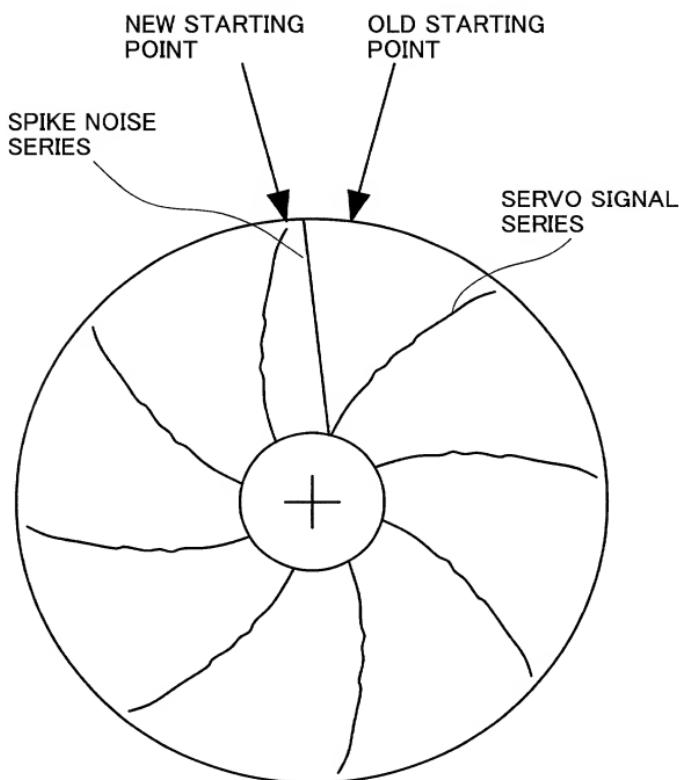
10082159.022602

FIG.26



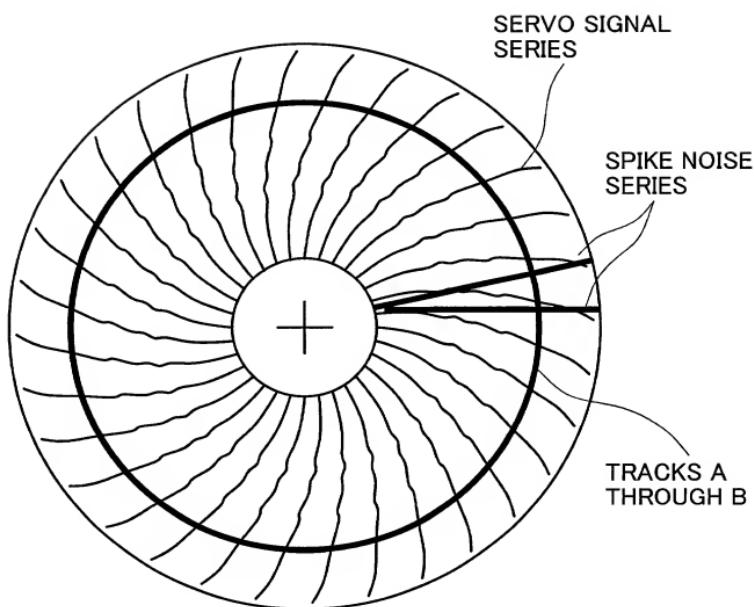
10082159 . 022602

FIG.27



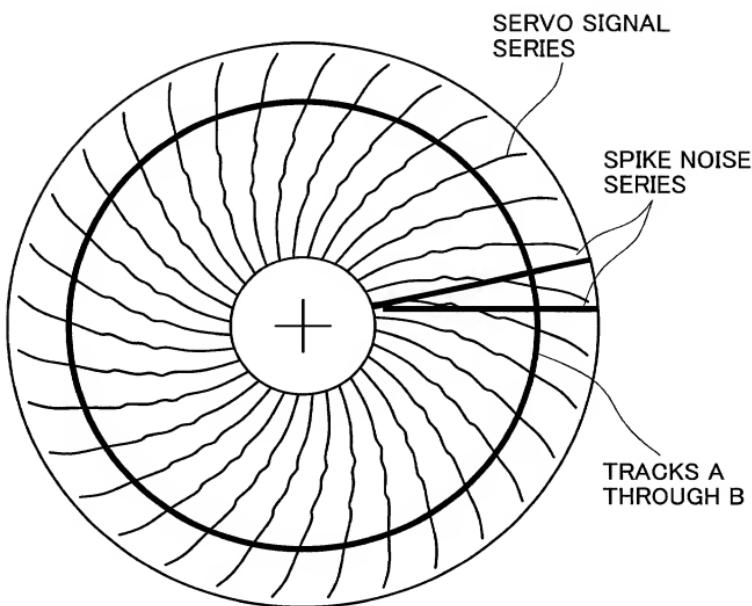
10082159 . 022602

FIG.28



10082159 . 022602

FIG.29



10082159 . 022602